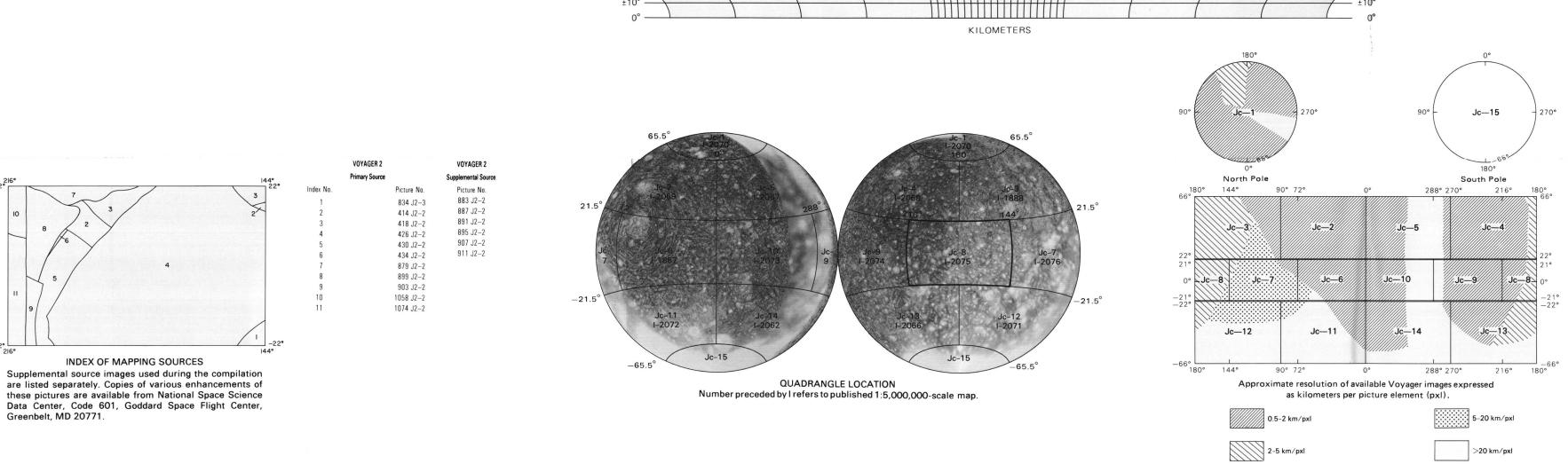
U.S. GEOLOGICAL SURVEY I-2075 (Jc-8) North 170° 160° 190° INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1990 South Prepared on behalf of the Planetary Geology Program, Solar System Exploration Division, Office of Space Science, National Aeronautics and Space Administration, under contract W-15.814. SCALE 1:5 000 000 (1 mm = 5 km) AT ±13° LATITUDE MERCATOR PROJECTION Manuscript approved for publication, May 18, 1989 100 50 0 50 100 **NOTES ON BASE** This sheet is one in a series of maps that cover the surfaces of the Galilean satellites of Jupiter at a nominal scale of 1:5,000,000 (Batson and others, 1980). Sources for the series were Voyager 1 and 2 images. Essential features of the mapping are noted KILOMETERS CARTOGRAPHIC CONTROL Mercator, Lambert Conformal Conic, and Polar Stereographic projections used for the maps of Callisto are based on a sphere with a radius of 2400 km. The projections have common scales of 1:4,780,000 at lat $\pm 21.3^{\circ}$ and 1:4,769,000 at lat $\pm 65.2^{\circ}$. Longitude increases to the west in accordance with astronactical convention.



Planimeteric control was derived by photogrammetric triangulation using Voyager 1 and 2 pictures (Davies and Katayama, 1981). The meridians are numbered so that the reference crater, Saga, is centered on lat 0.6° N., long 326°. MAPPING TECHNIQUE

Digital mosiacs were assembled at a digital scale of 1/32° (1.3 km) per pixel according to methods described by Batson (1987) and Edwards (1987) and transformed to the projections described above. Details from an unpublished, 1:15,000,000-scale, airbrush drawing were combined with the mosaic in regions where image data were very poorly resolved. The mosaic was retouched to obtain uniform tonal balance. Extreme variations in picture resolution precluded comparable display of the images used for the map compilation. Further limitations were imposed by dark albedo markings, which tend to obscure distinctive surface details.

Digital processing and mosaicking were done by Kevin F. Mullins.

NOMENCLATURE Names on this sheet are approved by the International Astronomical Union (1980,

Jc 5M 0/180 CMN: Abbreviation for Jupiter, Callisto (satellite); 1:5,000,000 series; center of sheet, lat 0°, long 180°; controlled photomosaic (CM), nomenclature (N). Abbreviation for Jupiter, Callisto, sheet 8.

REFERENCES

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